Biosolids Update

Greg Kester
Program Manager
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CA Assn of Sanitation Agencies

- Represent more than 90% of sewered pop of CA
- Executive Director – Catherine Smith
- Director Legal & Regulatory Affairs – Bobbi Larson
- State Lobbyist – Mike Dillon
- Federal Lobbyist – Eric Sapirstein
- Biosolids Manager – Greg Kester
- Climate Change Manager – Jackie Kepke
2009 CA Biosolids Use

- 661,000 dmt used or disposed

- 402,000 dmt (61%) Land Applied or Distributed
  - 272,000 dmt (41%) Class A Land Application or Distribution
  - 170,000 dmt Compost
  - 130,000 dmt (20%) Class B Land Application
2009 CA Biosolids Use

- 110,000 dmt (17%) as ADC or Final Cover at Landfills
- 14,000 dmt (2%) as fuel for Cement Kilns
- 3,000 dmt (.5%) deep well injection
2009 CA Biosolids Use

- 90,000 dmt (13%) Landfill Disposal
- 22,000 dmt (~3%) Surface Disposal (DLD)
- 19,000 dmt (~3%) Incinerated
Notable CA Projects

- LA TIRE Project
- LACSD Westlake Project
- Ventura RSD Heat Dry & Elec Gen
- Bay Area B2E Regional Project
- Liberty Energy Gasification Project
Published Proposed Regs 10/14

Sets MACT standards for 9 pollutants

More stringent stds for mercury

Final rule due January 23rd though 6 month extension sought
Overestimated Hg emissions by 3x

Results in underestimation of cost

Flawed math in estimating emissions of all 9 constituents

Parallel Solid Waste Definition on 1/23
FOG/Food Waste in Digesters

- CalRecycle may require TS/PF permit at LEA discretion
- Letter sent to Margo Reid Brown and response sympathetic
- Working with SWRCB to develop acceptable permit language
CDFA Rendering Rules

- Proposed regs in July 2010

- Could have considered POTWs as renderers if accept FOG or Food Waste

- CASA provided written & verbal comments

- Not proceeding so avoid reg overlap
EPA Report on AD and Gas Use

- Based on CWNS and thus flawed data
  - In revision

- 2007 estimated only 19% use

- CASA reviewing with NACWA

- Please respond to email of 1/15/11
VOC Research on Biosolids Compost

- UC Davis conducting research to determine reactivity and ozone precursor potential of VOCs from biosolids compost

- Sampling and analysis complete

- Results positive!

- Report due in February
Proposed change for IRIS CSF for inorganic arsenic published 2/19/10

Science Advisory Board (SAB) initially drafted support letter

SAB held public meeting in April – much opposition

SAB & EPA re-evaluating
Kern County Update

- Case dismissed in federal court in November since only state issues left
- Considering re-filing in state court
- County Health providing recommendation to BOS on Jan 18th
- Will recommend implementation in 60 days
SF PUC Compost Update

- SF PUC analyzed 7 off the shelf products for all priority pollutants
- All results very comparable
- No elevated results of concern
- Good coverage in SF Chronicle
Future?

- SF PUC has indefinitely suspended its biosolids compost giveaway program
- May bring it back in future
- Currently focusing on Thermo-meso Anaerobic digestion
- Also part of 16 agency B2E project
2010 PORS Conference

- Focused on cross media issues
- Co-wrote two papers illustrating issue and offering solutions
- Reg IX, CVWCB, SJVAMD, CASA, WUD, UC Davis, Sustainable Conservation, NRCS, CalRecycle...
- Now CA Bioresources Alliance - CBA
NBP Charting the Future

- Meeting held Dec 1-2 in DC area
- CA well represented with 6
- Identified issues, challenges, and opportunities
- Webinar 1/26 – Report by February
WEF Specialty Conference

- Annual Biosolids Conference in Sacramento May 22-25, 2011
- Focus on energy and resources
- Sessions on Western Issues and Hot Topics with CA bent